

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,067,414 B1  
APPLICATION NO. : 09/536037  
DATED : June 27, 2006  
INVENTOR(S) : Li Weimin, Zhiping Yin and William Budge

Page 1 of 9

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page, References Cited, U.S. PATENT DOCUMENTS, please insert  
-- 4,444,617      4/1984              Whitcomb -- before "4,474,975"

Title page, References Cited, U.S. PATENT DOCUMENTS, please insert  
-- 4,552,783      11/1985              Stoll et al.  
4,562,091      12/1985              Sachdev et al. -- before "4,592,129"

Page 2, U.S. PATENT DOCUMENTS, please insert  
-- 4,755,478      7/1988              Abernath et al.  
4,764,247      8/1988              Leveriza et al. -- before "4,805,683"

Page 2, U.S. PATENT DOCUMENTS, please insert  
-- 4,833,096      5/1989              Huang et al. -- before "4,863,755"

Page 2, U.S. PATENT DOCUMENTS, please insert  
-- 4,870,470      9/1989              Bass et al.  
4,910,160      3/1990              Jennings et al. -- before "4,954,867"

Page 2, U.S. PATENT DOCUMENTS, please insert  
-- 4,992,306      2/1991              Hochberg et al. -- before "5,034,348"

Page 2, U.S. PATENT DOCUMENTS, please insert  
-- 5,140,390      8/1992              Li et al. -- before "5,219,613"

Page 2, U.S. PATENT DOCUMENTS, please insert  
-- 5,244,537      9/1993              Ohnstein  
5,260,600      11/1993              Harada -- before "5,270,267"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert  
-- 5,286,661 A    2/1994              deFresart et al. -- before "5,302,366"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert  
-- 5,312,768 A    5/1994              Gonzalez -- before "5,314,724"

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Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,405,489 A 4/1995 Kim et al.  
5,413,963 A 5/1995 Yen et al.  
5,429,987 A 4/1995 Allen  
5,439,838 A 8/1995 Yang -- before "5,441,797"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,461,003 A 10/1995 Havemann et al.  
5,470,772 A 11/1995 Woo et al. -- before "5,472,827"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,482,894 A 1/1996 Havemann -- before "5,498,555"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,543,654 A 8/1996 Dennen  
5,554,567 A 9/1996 Wang -- before "5,591,494"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,652,187 A 7/1997 Kim et al.  
5,656,330 A 8/1997 Niiyama et al.  
5,656,337 A 8/1997 Park et al. -- before "5,661,093"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,670,297 A 9/1997 Ogawa et al. -- before "5,671,297"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,677,015 A 10/1997 Hasegawa -- before "5,677,111"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,691,212 A 11/1997 Tsai et al. -- before "5,698,352"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,744,399 A 4/1998 Rostoker et al. -- before "5,747,388"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,750,442 A 5/1998 Juengling -- before "5,753,320"

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Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,783,493 A 7/1998 Yeh et al.  
5,786,039 A 7/1998 Brouquet  
5,792,689 A 8/1998 Yang et al.  
5,800,877 A 9/1998 Maeda et al. -- before "5,801,399"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,807,660 A 9/1998 Lin et al. -- before "5,817,549"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,872,035 A 2/1999 Kim et al. -- before "5,872,385"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,883,014 A 3/1999 Chen et al.  
5,933,721 A 8/1999 Hause et al.  
5,948,482 A 9/1999 Brinker et al. -- before "5,960,289"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,981,368 A 11/1999 Gardner et al. -- before "5,985,519"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 5,986,318 A 11/1999 Kim et al. -- before "5,994,217"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 6,004,850 A 12/1999 Lucas et al.  
6,008,121 A 12/1999 Yang et al. -- before "6,008,124"

Page 2, U.S. PATENT DOCUMENTS, Column 1,

Please replace "6,017,814"

With -- 6,017,614 --

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 6,017,779 A 1/2000 Miyasaka -- before "6,020,243"

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert

-- 6,028,015 A 2/2000 Wang et al. -- before "6,030,901"

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Page 2, U.S. PATENT DOCUMENTS, Column 1, please insert  
-- 6,054,379 A 4/2000 Yau et al. -- before "6,057,217"

Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert  
-- 6,071,799 A 6/2000 Park et al. -- before "6,072,227"

Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert  
-- 6,087,064 A 7/2000 Lin et al.  
6,087,267 A 7/2000 Dockrey et al.  
6,096,656 A 8/2000 Matzke et al.  
6,114,255 A 9/2000 Juengling -- before "6,121,133"

Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert  
-- 6,124,641 A 9/2000 Matsuura  
6,130,168 A 10/2000 Chu et al.  
6,133,096 A 10/2000 Su et al. -- before "6,133,613"

Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert  
-- 6,136,636 A 10/2000 Wu -- before "6,140,151"

Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert  
-- 6,140,677 A 10/2000 Gardner et al. -- before "6,143,670"

Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert  
-- 6,156,674 A 12/2000 Li et al.  
6,159,804 A 12/2000 Gardner et al. -- before "6,159,871"

Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert  
-- 6,184,151 A 2/2001 Adair et al.  
6,184,158 A 2/2002 Shufflebotham et al.  
6,187,657 B1 2/2001 Xiang et al.  
6,187,694 B1 2/2001 Cheng et al.  
6,198,144 B1 3/2001 Pan et al.  
6,200,835 B1 3/2001 Manning -- before "6,200,863"

Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert  
-- 6,204,168 B1 3/2001 Naik et al.  
6,209,484 4/2001 Huang et al. -- before "6,218,929"

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Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert

-- 6,225,217 B1	5/2001	Usami et al.
6,235,568 B1	5/2001	Murthy et al.
6,235,591	5/2001	Balasubramanian et al.
6,238,976	5/2001	Noble et al.
6,268,282 B1	7/2001	Sandhu et al.
6,274,292	8/2001	Yin et al.
6,281,100	8/2001	Yin et al. -- before "6,284,677"

Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert

-- 6,440,860 8/2002 DeBoer et al. -- before "6,444,593"

Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert

-- 6,451,504 9/2002 Rolfson et al. -- before "6,465,372"

Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert

-- 7,235,499 6/2007 Li et al. -- before "2001/0003064"

Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert

-- 2001/0038919 A1 11/2001 Berry, III et al. -- before "2002/0016085"

Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert

-- 2002/0033486 A1 3/2002 Kim et al.  
2002/0081834 A1 6/2002 Daniels et al. -- before "2002/0098684"

Page 2, U.S. PATENT DOCUMENTS, Column 2, please insert

-- 09/146,843 9/1998 Li et al.  
09/219,041 9/1998 Li et al. -- at end of U.S. PATENT DOCUMENTS listing

Page 2, Column 2, FOREIGN PATENT DOCUMENTS, please insert

-- EP 0471185 A2 7/1991 -- before "EP 0 588 087"

Page 2, Column 2, FOREIGN PATENT DOCUMENTS, please insert

-- EP 0942330 A1 9/1999  
EP 1172845 A2 1/2002 -- before "GB 593727"

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Page 2, Column 2, FOREIGN PATENT DOCUMENTS, please insert

-- JP 08-213386 A 8/1996  
JP 9-50993 2/1997 -- before "JP 09055351"

Page 2, Column 2, FOREIGN PATENT DOCUMENTS, please insert

-- JP 10/163083 6/1998 -- before "JP 63316476"

Page 2, Column 2, FOREIGN PATENT DOCUMENTS, please insert

-- JP 20068261 A 3/2000  
TW 368687 A 9/1999  
TW 420844 A 2/2001  
TW 429473 A 4/2001 -- before "TW 471112"

Page 2, U.S. PATENT DOCUMENTS, Column 2,

Please replace "6,218,929"

With -- 6,218,292 --

Page 2, U.S. PATENT DOCUMENTS, Column 2,

Please replace "6,632,712 B1 7/2000 Ang et al."

With -- 6,632,712 B1 10/2003 Ang et al. --

Page 2, Column 2, FOREIGN PATENT DOCUMENTS,

Please replace "JP 5-263155 10/1993"

With -- JP 5-263255 10/1993--

Page 3, OTHER PUBLICATIONS, Column 1,

Please replace "D.R. McKenzie et al., "New Technology for PACVO", Surface and Cooling Technology, 62 (1995), pp. 326-333."

With -- D.R. McKenzie et al., "New Technology for PACVD1." Surface and Coatings Technology, 82 (1996) pp.326-333.--

Page 3, OTHER PUBLICATIONS, Column 1, line 17

Please replace "Flowlife"

With -- Flowfill® --

Page 3, OTHER PUBLICATIONS, Column 1, line 18

Please replace "Beekman"

With -- Beckmann --

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Page 3, OTHER PUBLICATIONS, Column 1, line 24  
Please replace "BISN4"  
With -- Si3N4 --

Page 3, OTHER PUBLICATIONS, Column 1, line 26  
Please replace "coolings"  
With -- coatings --

Page 3, OTHER PUBLICATIONS, Column 1, line 29  
Please replace "Noboru Snibate"  
With -- Noboru Shibata --

Page 3, OTHER PUBLICATIONS, Column 1, line 33  
Please replace "Ralis"  
With -- Ralls --

Page 3, OTHER PUBLICATIONS, Column 1, line 38  
Please replace "Pesion"  
With -- Penton --

Page 3, OTHER PUBLICATIONS, Column 2, line 8  
Please replace "SPIE vol. 3149"  
With -- SPIE vol. 3049 --

Page 3, OTHER PUBLICATIONS, Column 2, line 10  
Please replace "pp. 41-49"  
With -- pp.48-49 --

Page 3, OTHER PUBLICATIONS, Column 2, line 11  
Please replace "Withmell"  
With -- Withmall --

Page 3, OTHER PUBLICATIONS, Column 2, line 13  
Please replace "New photodefinable glass eich masks"  
With -- New photodefinable glass etch masks --

Page 3, OTHER PUBLICATIONS, Column 2, line 22  
Please replace "to an all dry resist process for 193 and 248 am"  
With -- in an all dry resist process for 193 and 248 nm --

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Page 3, OTHER PUBLICATIONS, Column 2, line 32

Please replace "Morie, Q. et al."

With -- Horie, O. et al. --

Page 3, OTHER PUBLICATIONS, please insert

-- Julius Grant, Hackh's Chemical Dictionary, Fourt Edition, McGraw-Hill Book Company, © 1969, rented by Grant © 1972, pp. 27 --

Page 3, OTHER PUBLICATIONS, please insert

-- Wolf et al., "Silicon Processing for the VLSI Era- Vol. 1. Process Technologyg," Prologue, page xxiii (2pages) -- before "Silicon Processing for the VLSI Era"

Page 3, OTHER PUBLICATIONS, please insert

-- Wolf S., and Tauber, Richard, Silicon Processing for the VLSI Era; Vol. 1; Process Technology; "Silicon: Single Crystal Growth and Wafer Preparation"; pages 1 and 2. -- before "Wolf S. Silicon Process, V.1 407-413"

Column 1, line 55

Please replace "methyilsilane"

With -- methyilsilanol --

Column 5, line 48

Please replace "spacig"

With -- spacing --

Column 5, line 49

Please replace "oxygen gas expsure"

With -- oxygen gas exposure --



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Column 6, line 20  
Please replace " $\text{Si}_3\text{N}_{(4-x)}$ "  
With --  $\text{Si}_3\text{N}_{(4-x)}$  --

Signed and Sealed this

Nineteenth Day of August, 2008

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looping initial "J" and a distinct "D" at the end.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*